

Appendix B. IPv6 Transition Survey for Programs of Record and Systems

Program of Record and System IPv6 Checklist							
1. Software Support Activity:							
PG:				PM Phone:			
PM:				PM Email:			
Prime Support Contractor:							
Enter ORGANIC if the PM Shop maintains the application with organic resources (Civilians and/or Marines)							
2. System/product Identification:							
a. System Name:				b. Acronym:			
c. Version #:		d. DADMS ID #:		e. DARS ID#:		f. MSTAR ID #:	
3. Program Status:							
a. Current MS:		b. MS Date:		c. IATO Date:		d. ATO Date:	
4. Identify applications used: (Add more lines as required, see Type Code legend below)							
Application Name		Purpose				Type	Version
Type Code Legend:							
G = Government Off-the-Shelf		C = Commercial Off-the-Shelf		MC = COTS Modified by Government Contract but still available to the public.			
S = Shareware		F = Freeware					
5. Identify reliance on IPv4: [Appendix A, Chapter 2]							
a. Define how IPv4 is implemented preventing IPv6 capability: (Database fields; hard-coded addressing; proprietary protocol implementation; IPv4 loopback addresses; reliance on non-IPv6 OS, COTS, or GOTS)							
b. Define how IP addresses are obtained: (static IP addresses, DNS lookup, DHCP, BOOTP, other)							

6. Technical impact of transition to IPv6:	
a. Describe what needs to be done to the system to achieve initial dual stack capability and/or full transition to IPv6.	
b. Describe IPv6 characteristics that will or should be leveraged as part of the system's architecture (i.e. stacked headers, site/link local addressing, mobile IPv6, IPSec, unicast/multicast/anycast, stateless autoconfiguration). [Appendix A, Chapter 3]	
7. Dependencies:	
a. Describe technical dependencies that will impact the system with IPv6 implementation, i.e. processor or memory constraints, APIs, COE, etc.	
b. Describe logistical dependencies external to your system, i.e. interrelated programs (C2PC, NCES, TDN, etc.) <u>Upper Layer Protocols and applications.</u>	
8. Programmatic impact(s):	
a. Schedule for system to be dual-stack and full IPv6 capable using current Development Schedule. Include deployment, fielding, upgrade, and retrofit milestones.	
(1) Cost schedule – list currently budgeted, such as for tech refresh or upgrade, and additional funding required (deficiency) for each FY to achieve initial and objective IPv6 capabilities in 8a. EXAMPLE: FY07 \$20K(\$5K), FY08 \$8K(\$0) [Section 5.3 of the Transition Plan]	
b. Accelerated schedule for system to be dual-stack and full IPv6 capable if current Development Schedule does not meet the goal of IPv6 capable by 2008. Include deployment, fielding, upgrade, and retrofit milestones.	
(1) Cost schedule – list currently budgeted, such as for tech refresh or upgrade, and additional funding required (deficiency) for each FY to achieve initial and objective IPv6 capabilities in 8b. EXAMPLE: FY07 \$20K(\$5K), FY08 \$8K(\$0) [Section 5.3 of the Transition Plan]	
9. Define technical and programmatic risks.	
10. Define Risk Mitigation Strategy for items identified in block 9.	
11. Can this system become a Marine Corps representative "early adopter"? (Yes / No)	

12. Recommendations: (Enter any comments or ideas you have that have a bearing on this initiative)

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